

Innovative Outstanding Weatherization Assistance News

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Wishing you a Wonderful Winter!

From all of us in the
Weatherization Bureau
in Des Moines

Jim, Gwen, Mark, Chris, Mike
and Rosemary

Welcome

- We at the DCAA hope you had a wonderful holiday season and were able to spend time with your families. We welcome you back for another year of Weatherization Works!
- Be sure to use only the State forms and waivers from the Members Only section of the DCAA website. The forms that are posted on the web are kept up-to-date. To download, first open the form. In the toolbar, click on "File" and "Save As". Determine where you would like to save the form and click on "Save". You can now open the form and add your information. When done, save the changes and email to the DCAA office. Should you have trouble downloading forms, please call Christine Taylor at 515-281-4565.
- Infrared cameras have become a very important tool of the weatherization program when evaluating and inspecting homes. Currently, 16 of Iowa's 18 local weatherization agencies have infrareds.
- As you know, mold has become a hot topic in the weatherization world this past year. Consequently, it has become increasingly important that agencies have digital cameras. Not only do the pictures serve as tools for the contractors and crews, they also provide needed documentation when working with and/or around mold. The DCAA highly encourages all agencies to purchase digital cameras for their evaluators and inspectors. A small cost upfront can result in great savings later during a dispute.

Statistics

<u>ITEM</u>	<u>*QTRLY</u>	<u>**YTD</u>
Houses Worked On	589	1,413
Completions	511	1,199
Closed Incomplete	78	214
Owner Occupied	535	1,372
Rentals	54	141
Elderly Occupied	224	529
Disabled Occupied	254	616
Furnace Replacements	269	581
Refrigerator Replacements	234	476
Freezer Replacements	102	210
Average Costs Per House	\$6,150	\$5,860

Totals for all agencies combined
* QTRLY (September, October, November)
** YTD (Program year through November)

Agency Spotlight - Mid-Sioux Opportunity, Inc.

Weatherization Works

Mid-Sioux Opportunity, Inc. hosted a luncheon and a weatherization presentation to area legislators, Mid-Sioux's Board of Directors, and staff on November 15, 2004. Legislators present were Representative Dan Huseman, Senator Ken Veestra and Senator Ron Wieck. Elizabeth Williams-Chaffin, the Iowa Community Action Association Executive Director, attended this function, as well.

Jody Vlotho, Energy Contract Auditor, gave a presentation to the group on "Weatherization Works" that included steps involved in evaluating a house for weatherization, tools used in the evaluation process, and mold and moisture issues com-



Julie Colling, Weatherization Coordinator speaking to the group



Jody Vlotho, Energy Contract Auditor demonstrating an infrared camera



Jody Vlotho, Energy Contract Auditor demonstrating a carbon monoxide detector

mon to the weatherization program. The crowd was most impressed with the infrared camera usage, non-contact infrared thermometer, and carbon monoxide detector. The presentation was enjoyed by all and Jody answered many questions.

Reminder: Local weatherization agencies are welcome to use the State of Iowa's House of Pressure as part of their presentations. Feel free to contact Mark Bergmeier at mbergmeier@kca.net.

"We certainly enjoyed having the guys working at our house and appreciate their friendliness. The guys did a great job. We can't say enough about their great job on our home. May God bless all of you." - Mid-Sioux Client

Questions and Answers

Question: How far off the floor do furnaces and water heaters need to be?

Answer: Section 2021.04 of the Work Standards require that furnaces and water heaters be at least 1-1/2 inches off of the floor.

Question: Does duct insulation need to be tied on?

Answer: Duct insulation needs to be tied on as per Section 4020 of the Work Standards.

Question: Would you please clarify drip legs.

Answer: Drip legs are to collect liquid condensate that might be in the gas line. The installation of drip legs is not a program requirement. However, they must be installed if local codes require it or the local gas supplier requires it. Drip legs can be installed in the gas line wherever condensation could occur.

News

New DOE Mold Requirements—The Department of Energy (DOE) recently notified states of new program requirements regarding mold. Specifically, DOE is requiring states to:

- Address mold problems in the state's deferral (walk-away) policy. *This is already addressed in our walk-away policy.*
- Develop a mold protocol or checklist for agencies to use as part of the house evaluation. *We already address these requirements. Section 2070 of the Work Standards contains the protocol for mold and moisture and the Health and Safety Assessment Findings Form, Part 2 contains the checklist.*
- Develop a client notification to be used by agencies upon discovery of mold in a home. *The Health and Safety Assessment Findings Form, Part 2 has been revised to include a client notification.*
- Develop and provide training to the agencies on awareness of moisture and mold. The course, "Moisture/Mold/Ventilation" meets this requirement.

Copies of the revised Health and Safety Assessment Findings Form (Parts 1 & 2) have been printed and will be distributed to you soon.

New Weatherization Director—Buddy Garland has been named the Department of Energy's new Director of the Weatherization Program. Mr. Garland has over fifteen years of government service primarily in the areas of strategic planning, budgeting, field assessment of operations, and environmental management. In his current position, Mr. Garland is responsible for integrating all aspects of planning, analysis, budget formulation, budget execution, program evaluation, and public and intra-governmental outreach for the Energy Efficiency and Renewable Energy program. In previous positions within the Department, Mr. Garland has served as the Training Director at the Albuquerque Operations Offices, as a Field Assessment Team Leader in the Environmental Management program as well as in advisory positions within the Office of Policy. For the two years prior to joining Energy Efficiency and Renewable Energy, Mr. Garland served as a strategic planner in the Office of Strategic Planning, Budget and Program Evaluation, which is in the Office of Policy. Mr. Garland had the responsibility for conducting and coordinating

out-year analysis of the Department's program budgets and consolidating this information to advise senior management during the budget formulation process.

Prior to his DOE service, Mr. Garland was a submarine officer in the U.S. Navy, a research director at the Naval Research Laboratory, and an engineering project manager in the private sector.

Utility Reimbursement Limits—Agencies have received utility contracts which include a table of measures, criteria, and reimbursement limits. Agencies are reminded that all utilities are following the same limits, which should make it easier when preparing reports. Below is a quick breakdown of what utilities will pay for. Be sure to review the utility contracts for specific criteria. Consider posting the table (from the contract) of reimbursement limits by your computer.

- Low-Flow Showerheads—\$10 limit
 - Max 1 per house
- Faucet Aerators—\$3 limit
 - Max 2 per house
- Pipe Insulation—\$3 limit
 - Max 2 per house
- Compact Fluorescent Light Bulbs—Limit \$7 each
 - Max 12 per house
- Circleline Compact Fluorescent Lights—Limit \$10 each
 - Max 1 per house
- Programmable Thermostat—\$50 limit
 - ENERGY STAR—labeled
- High-Efficiency Furnace—\$2,500 limit
 - Max 1 per house
- Natural Gas Water Heater—\$600 limit
 - Max 1 per house
- Electric Water Heater—\$600 limit
 - Max 1 per house

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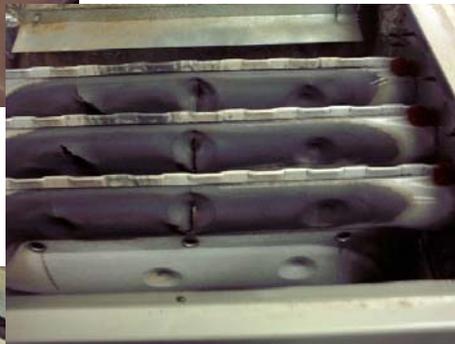
News—Continued

- Venting for Furnaces or Water Heaters—Limit \$150 each
- Refrigerators—\$600 limit
 - Max 1 per house
- Freezer—\$400 limit
 - Max 1 per house
- Insulation Measures—\$2,500 limit
- General Repairs—\$300 limit

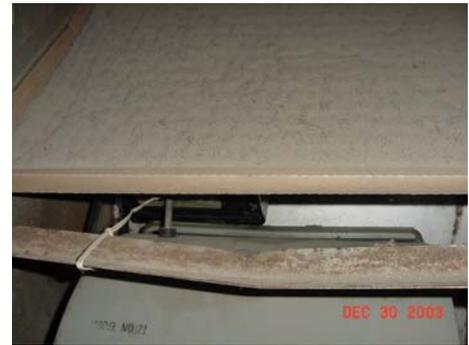
2005 National Weatherization Training Conference—The next DOE Weatherization Conference will be held in New Orleans, Louisiana September 25-28, 2005. The first planning meeting will be held in Washington, DC January 5-7, 2005. Should you have any recommended sessions or speakers, please do not hesitate to contact your state committee representative Christine Taylor at 515-281-4565 or via email at Christine.Taylor@iowa.gov .

- Continued on next page

Extreme Photos



Now this is what we would call a cracked heat exchanger!



What dirty filters!

News—Continued

2004 Iowa Community Action Association Annual Training Conference—The ICAA Annual Conference was held on October 25-27, 2004 at the Marriott Hotel in West Des Moines, Iowa. Over 15 workshops were held and included topics such as Understanding Weatherization and Mold Basics and Liability. Mark Bergmeier of the State of Iowa Weatherization, Julie Colling of Mid-Sioux Opportunity, Inc., and Mike Loos of Iowa East Central T.R.A.I.N., presented Understanding Weatherization. There were several weatherization as well as non-weatherization participants in the session who enjoyed learning more with the House of Pressure. The next conference will be held October 4-5, 2005.



Line Loggers—As weatherization personnel are aware, line loggers are necessary for refrigeration appliance metering. Two companies selling line loggers we are currently using have come to our attention.

If you are looking for a new line logger, you may want to consider visiting Hensley Technologies, Inc. in Kansas City, Missouri. They sell plug loggers by Dent Instruments, which are similar to the line logger. Visit their website at <http://www.hensleytechnologies.com/dent/> or call them at 816-363-8710.

Another company selling line loggers is P3 International. Their line logger, "Kill A Watt" can be purchased from any number of places and at an affordable price; under \$30. Visit P3's website at <http://p3international.com/products.html> to find more information.

"How can I ever thank you enough for all that you did for me? I am so grateful and I still can hardly realize that this happened to me!

I am a "depression" kid and I was working when Social Security was passed. I worked until 1979 after being with J.C. Penney's in Perry for more than 30 years. The pay was never very good but the work was rewarding. My husband was in World War II and upon his safe return, he worked for an independent car dealer until he had to retire due to his health in 1976. Being an independent dealer, there wasn't any pension, so our income has never been very high. Ralph has been gone now for 15-1/2 years so I am alone. I do so appreciate all that you have done for me.

The men who did the work were so good and efficient—they cleaned up all of the time and did a marvelous job. My furnace was defective and could have been dangerous—now I have a brand new one. Thank you all so very much! Thank you, Bev Kelly, for helping me!

- Community Opportunities Client

Tentative 2005 PY Monitoring Schedule

January	Polk County
February	No Scheduled Monitorings
March	No Scheduled Monitorings



It's that time of year again...

Upcoming Events

January 2005

- 25 **Public Hearing for State Weatherization Assistance Program.** The Division of Community Action Agencies will conduct a public hearing on the proposed state plan for the 2005 Weatherization Assistance Program on January 25, 2005. The hearing will be held at 1:00pm in Conference Room #204 located on the second floor of the Lucas State Office Building, 321 E. 12th Street, Des Moines, Iowa. Written comments must be submitted to the Division of Community Action Agencies no later than 4:30pm, January 24, 2005. For more information, contact Marcia Thompson at 515-281-4204.

February 2005

- 17 **ICAA Meeting.** For more information, contact Tessy Pratt at THPratt@dmgov.org.
- 23 **IWAC Meeting.** To be held from 9:00am-12:00noon at Best Western Suites and Inn at 1450 NW 118th Street, Clive, Iowa. For hotel reservations call toll free 1-866-788-7013. Visit their website at <http://bestwesterniowa.com>. For meeting information, please contact Julie Colling at 712-786-3415 or jcolling@midsioux-opportunity.org.

March 2005

No scheduled trainings or meetings.

April 2005

- 21 **ICAA Meeting.** For more information, contact Tessy Pratt at THPratt@dmgov.org.
- 23 **IWAC Meeting.** To be held from 9:00am-12:00noon at Best Western Suites and Inn at 1450 NW 118th Street, Clive, Iowa. For hotel reservations call toll free 1-866-788-7013. Visit their website at <http://bestwesterniowa.com>. For meeting information, please contact Julie Colling at 712-786-3415 or jcolling@midsioux-opportunity.org.

Mark your calendars!

- May 16-21, 2005—Affordable Comfort Conference in Indianapolis, Indiana
- September 25-28, 2005—DOE National Conference in New Orleans, Louisiana
- October 4-5, 2005—ICAA Annual Training Conference in Des Moines, Iowa

Be sure to check our website for training updates at www.state.ia.us/dhr/caa/WxPage.html !

Resources

<http://p3international.com/home.html>

P3 International is one of the world's leading manufacturers of solution oriented consumer electronics.

<http://solarbuzz.com/>

World solar energy news.

<http://hensleytechnologies.com/>

Hensley Technologies, Inc. specializes in the sale and rental of test and measurement equipment and provides engineering consulting and electronic design development.

Tentative 2005 Fiscal Monitoring Schedule

January	No Scheduled Monitorings
February	SCICAP Polk County
March	TRAIN City of Des Moines

Speed Bumps

- There needs to be some clarification concerning the table in the standards for estimated exhaust potential. The table is on page 107, section 2000, subsection 2080. For most exhaust fans it would be more accurate to use the exhaust duct size to help in determining the air flow from the fan. You should use the bathroom and range hood fan section. That section is meant to deal with most fans that are mounted in ceilings (whether it be bathroom or kitchen) and range hoods.
- Carbon monoxide alarms need to have the expiration date marked on them and be 4 to 6 feet off of the floor.
- When changing fuel for energy efficiency for a furnace you need to do the energy savings calculations that are in the Work Standards Appendix.
- Using an extension cord for a condensate pump is acceptable but not preferable. Extension cords may not be used for the induced draft fan of a water heater.
- Pop-off valve extensions are required on new installations and must be 6" off of the floor.
- Obvious holes in the duct work need to be sealed. Mastic is the preferred method of sealing these holes. Usually the metallic tape is not adequate as a permanent method for sealing.
- Homes may often have open walls into the porch attic. If they can't be dense packed with cellulose from above or below then they need to be sealed, then insulated.
- Energy saving measures should not be eliminated to remain under the \$8,000 limit. Instead, repairs should be eliminated before energy saving measures.
- On the new 90+ Goodman furnaces, the bottom plate of the furnace needs to be sealed with mastic because the plates are not tight.

Please feel free to copy and distribute.

Iowa Bureau of Weatherization

Department of Human Rights
Community Action Agency
Lucas State Office Building, 2nd Floor

We're on the Web!!!
www.state.ia.us/dhr/caa/WXPage.html

Contact us at:

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